

Converting Colors

$Y_{xy}(23.5527, 0.2303, 0.3115)$

Have a look what the booklet for
Yxy(23.5527, 0.2303, 0.3115)
contains.

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Color

Yxy(23.5527, 0.2303, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	30929B
RGB	48, 146, 155
RGB Percent	19%, 57%, 61%
CMY	0.8120, 0.4274, 0.3921
CMYK	0.69, 0.06, 0.00, 0.39
HSL	185°, 53%, 40%
HSV	185°, 69%, 61%
XYZ	17.4131, 23.5527, 34.6448
YIQ	117.7240, -61.2970, -17.9770

Conversions

Conversions Part 2

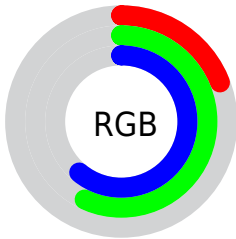
Format	Color
R_{YB}	48, 99, 155
Decimal	3183259
CIE _{Lab}	55.64, -24.80, -13.03
CIE _{LCh}	56, 28.017, 207.707
Yxy	23.5527, 0.2303, 0.3115
Android (android.graphics.Color)	4281373339 (0xFF30929B)
YUV	117.7240, 18.3771, -61.1479
Hunter-Lab	48.5311, -20.8831, -8.3534

Details

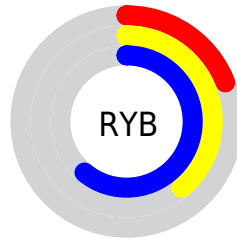
The Yxy color **23.5527, 0.2303, 0.3115** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.1052, 0.5251, 0.3421**, and the grayscale version is **17.9782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1632, 0.2475, 0.3163**, and **9.1839, 0.2175, 0.3031** is the 20% darker color. If you saturate the color by 10%, you get **22.8408, 0.2244, 0.3087**, and if you desaturate by 10%, it is **24.4026, 0.2380, 0.3143**.

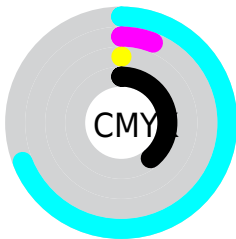
Distribution



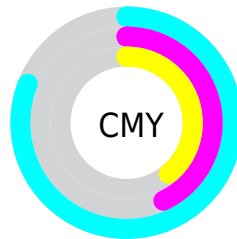
- Red (19%)
- Green (57%)
- Blue (61%)



- Red (19%)
- Yellow (39%)
- Blue (61%)



- Cyan (69%)
- Magenta (6%)
- Yellow (0%)
- Black (39%)





- Cyan (81%)
- Magenta (43%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5527, 0.2303, 0.3115 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 23.5527, 0.2303, 0.3115 by changing the saturation by 10% instead.


 23.5527, 0.2303,
0.3115


 23.5527, 0.2303,
0.3115


270.5512, 0.2749,
0.3224


 15.0021, 0.2180,
0.3078


 49.2993, 0.2473,
0.3161


 8.8209, 0.2016,
0.3024


 67.2641, 0.2535,
0.3176


 4.6245, 0.1787,
0.2938

 89.1358, 0.2586,
0.3189

 2.0287, 0.1450,
0.2785

 115.2988, 0.2629,
0.3199

 0.6241, 0.0000,
0.2645

 146.1374, 0.2665,
0.3207

 0.0000, 0.0000,
0.0000

182.0361, 0.2697,

0.3214

223.3792, 0.2725,
0.3219

■ 23.5527, 0.2303,
0.3115

■ 23.5527, 0.2303,
0.3115

■ 22.8408, 0.2244,
0.3087

■ 24.4026, 0.2380,
0.3143

■ 22.2499, 0.2204,
0.3059

■ 25.4002, 0.2475,
0.3171

■ 21.7497, 0.2177,
0.3031

■ 26.5575, 0.2586,
0.3198

■ 21.7042, 0.2175,
0.3028

■ 27.8842, 0.2711,
0.3224

■ 29.3895, 0.2847,
0.3248

■ 31.0818, 0.2991,
0.3271

■ 32.9690, 0.3141,
0.3292

■ 35.0584, 0.3294,
0.3311

■ 37.3572, 0.3448,
0.3328

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



23.5527, 0.2576, 0.3605



23.5527, 0.2303, 0.3115



23.5527, 0.2236, 0.2731

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



23.5527, 0.2303, 0.3115



23.5527, 0.3188, 0.2687



23.5527, 0.3899, 0.4058

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



23.5527, 0.2303, 0.3115



10.1052, 0.5251, 0.3421

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



23.5527, 0.4102, 0.3745



23.5527, 0.2303, 0.3115



23.5527, 0.3679, 0.2983

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



23.5527, 0.2303, 0.3115



23.5527, 0.2716, 0.2524



23.5527, 0.4024, 0.3358



23.5527, 0.3493, 0.4182

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



23.5527, 0.2303, 0.3115



23.5527, 0.2310, 0.2576



23.5527, 0.4024, 0.3358



23.5527, 0.3994, 0.3968

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



23.5536, 0.2303, 0.3115



51.9620, 0.2814, 0.3243



24.3689, 0.2981, 0.5311



11.6028, 0.2779, 0.3237



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.5536, 0.2303, 0.3115



40.2846, 0.2219, 0.3071



10.7458, 0.2029, 0.1980



6.9376, 0.2989, 0.3271



17.4563, 0.2175, 0.3030



0.2836, 0.2210, 0.3155

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11.1553, 0.3337, 0.1883



17.2423, 0.3386, 0.1727



18.4223, 0.4532, 0.4244



6.3147, 0.3149, 0.3089



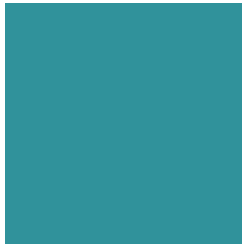
7.1675, 0.3427, 0.1662



0.1094, 0.3320, 0.1603

Previews

White Background



This preview shows how the Yxy color 23.5527, 0.2303, 0.3115 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 23.5527, 0.2303, 0.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

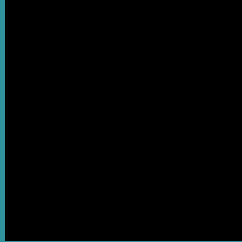
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.5527, 0.2303, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 23.5527, 0.2303, 0.3115.

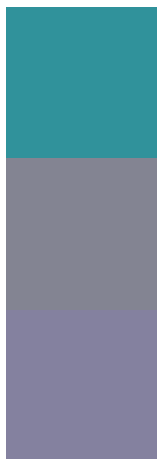


This preview shows how white text looks on a background with the Yxy color 23.5527, 0.2303, 0.3115.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

23.5527, 0.2303, 0.3115

Protanopia

23.4031, 0.2972, 0.3051

Deuteranopia

23.1093, 0.2855, 0.2793



Tritanopia

23.6451, 0.2295, 0.3078

Trichromacy



Original Color

23.5527, 0.2303, 0.3115

Protanomaly

22.8279, 0.2654, 0.3070

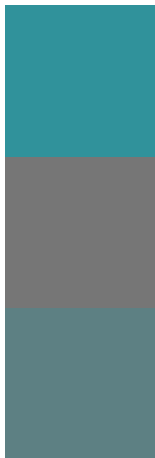
Deuteranomaly

22.5633, 0.2577, 0.2878

Tritanomaly

23.6110, 0.2301, 0.3097

Monochromacy



Original Color

23.5527, 0.2303, 0.3115

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.4042, 0.2718, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5527, 0.2303, 0.3115 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(48, 146, 155)` looks like.

```
.text, #text, p{  
    color:rgb(48, 146, 155)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(48, 146, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 146, 155) }
```

Border

The CSS property to change the border of an element to Yxy 23.5527, 0.2303, 0.3115 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 146, 155) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(48, 146, 155) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(48, 146, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 146, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 146, 155);  
box-shadow:4px 4px 4px 4px rgb(48, 146,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5527, 0.2303, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 146, 155) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(48, 146,  
155) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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